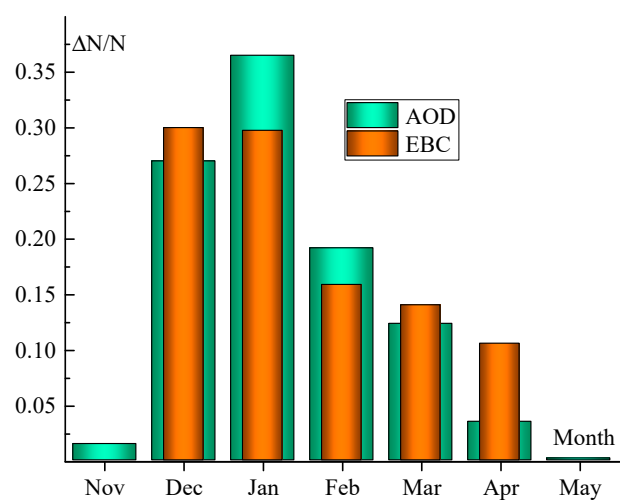


# Supplementary Materials: Spatial Distribution of Aerosol Characteristics over the South Atlantic and Southern Ocean Using Multiyear (2004–2021) Measurements from Russian Antarctic Expeditions

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**Table S1.** Number of days of the measurements of different characteristics and collected aerosol samples (*n*) in the latitude zone of 34°S – 70°S of the Indo-Atlantic sector of the ocean (45°W – 110°E).

No	Name of Expedition and Research Vessel	AOD	<i>N<sub>a</sub></i> /EBC	Samples ( <i>n</i> )
1	19-th cruise <i>Akademik Sergey Vavilov</i> , 2004	7	21/17	12
2	51 RAE, <i>Akademik Fedorov</i> , 2005/2006	19	–	–
3	52 RAE, <i>Akademik Fedorov</i> , 2006/2007	50	13/45	22
4	53 RAE, <i>Akademik Fedorov</i> , 2007/2008	42	83/77	40
5	54 RAE, <i>Akademik Fedorov</i> , 2008/2009	27	–	–
6	55 RAE, <i>Akademik Fedorov</i> , 2009/2010	20	39/40	23
7	56 RAE, <i>Akademik Fedorov</i> , 2010/2011	29	14/14	–
8	57 RAE, <i>Akademik Fedorov</i> , 2012	33	42/41	–
9	58 RAE, <i>Akademik Fedorov</i> , 2012/2013	59	64/70	8
10	59 RAE, <i>Akademik Fedorov</i> , 2013/2014	14	55/55	13
11	59 RAE, <i>Akademik Tryoshnikov</i> , 2014	11	–	23
12	60 RAE, <i>Akademik Fedorov</i> , 2014/2015	47	95/98	55
13	61 RAE, <i>Akademik Fedorov</i> , 2015/2016	38	–	–
14	62 RAE, <i>Akademik Fedorov</i> , 2016/2017	54	67/2	40
15	62 RAE, <i>Akademik Tryoshnikov</i> , 2016/2017	23	40/42	17
16	63 RAE, <i>Akademik Fedorov</i> , 2017/2018	7	61/71	–
17	64 RAE, <i>Akademik Fedorov</i> , 2018/2019	5	95/–	25
18	65 RAE, <i>Akademik Tryoshnikov</i> , 2019/2020	16	18/22	13
19	65 RAE, <i>Akademik Fedorov</i> , 2020	14	43/47	–
20	66 RAE, <i>Akademik Tryoshnikov</i> , 2020/2021	21	–	–
Total amount of data		536	746/644	291



**Figure S1.** Histograms of data distribution by months of measurements.